Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/17/2017 10:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124226	-1	1.71	124124	1.70
Blue	F	SSC	125000	122941	-2	3.44	123242	3.32
Blue	E	FITC	21625	21007	-3	3.01	940	9.75
Blue	D	PE	26832	26311	-2	2.06	946	9.06
Blue	B	PerCP-Cy5-5	48027	47711	-1	3.50	1359	16.20
Blue	A	PE-Cy7	40971	40577	-1	5.05	621	33.85
Red	C	APC	49746	49327	-1	2.83	2834	9.39
Red	A	APC-Cy7	53615	52687	-2	2.97	1095	10.83
Violet	B	V450	14488	13728	-6	5.92	657	9.72
Violet	A	V500	55123	53157	-4	5.67	2362	7.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18538	4.67	597	-1	N/A	N/A	Pass
Blue	F	SSC	60956	1.63	528	-6	N/A	N/A	Pass
Blue	E	FITC	103	37.53	529	-7	0.0241	174	Pass
Blue	D	PE	206	27.39	525	-6	0.1947	262	Pass
Blue	B	PerCP-Cy5-5	214	42.75	620	-9	0.0112	94	Pass
Blue	A	PE-Cy7	71	107.08	669	-12	0.0131	7	Pass
Red	C	APC	334	27.42	588	-6	0.0209	79	Pass
Red	A	APC-Cy7	120	39.54	570	-10	0.0062	1868	Pass
Violet	B	V450	80	41.45	461	-10	0.0532	2096	Pass
Violet	A	V500	171	23.10	487	-9	0.0145	406	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.76	-31.48	0.86
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	17.56	13.27 - 19.91	N/A	N/A	31.71	32.01	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14005

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments